DELL™ OPTIPLEX™ FX160

The desktop computing landscape is evolving. As organizations and their workforces become increasingly distributed and mobile, an explosion of new end-user devices has exacerbated the challenges being faced by IT departments. These challenges include ensuring data and device security regardless of location, managing data and applications consistently across the organization, and providing support for the myriad of emerging devices and applications. Traditional computing has addressed the key customer pain points in a limited fashion.

Dell's new desktop computing vision — Flexible Computing — delivers validated solutions (hardware, software, and services) that augment Dell's traditional desktop offerings and enable IT departments to navigate their increasingly complex environment. Understanding that often the optimal flexible computing approach is a combination of solutions, Dell developed the new OptiPlex FX160 flexible computing node that is optimized for two of Dell's Flexible Computing Solutions: On-Demand Desktop Streaming and Virtual Remote Desktop. In doing so, customers can now confidently invest in a client device that supports the right solution for today with the flexibility to support the needs of tomorrow. For more information about Dell Flexible Computing Solutions, please visit: DELL.COM/FCS

OPTIPLEX MEANS BUSINESS

The OptiPlex FX160 delivers essential performance and flexibility to help keep your business running:

- Planning support with up to a 36-month lifecycle, stable images, and managed transitions
- The OptiPlex FX160 is designed to support either a Virtual Remote Desktop or On-Demand Desktop Streaming operating environment.

OPTIPLEX SECURITY

The OptiPlex FX160 ensures data and system security independent of location to help protect your critical data:

- Data is centrally located in the data center, which reduces data security risks from user theft or mismanagement and alleviates business continuity concerns such as distributed data and or data loss
- Defends your systems against hackers and worms, Trojan horses, viruses, and other malicious code attacks with Symantec™ Endpoint Protection for Windows® XP Embedded
- Protects against unauthorized access to your critical data with optional SmartCard keyboards
- Security lock slot provides physical system protection (supporting Kensington-style locks)
- Optional Cable Security Kit, made of hardened steel, is designed to secure commonly-used keyboard, mouse, and other PS2 or USB devices from theft

OPTIPLEX IS EASY TO OWN

The OptiPlex FX160 is engineered for flexibility to meet your changing needs:

- Designed for single-application workloads, the OptiPlex FX160 features new Intel® Atom™ processors along with Dell Flash storage (NVRAM) options for flexible high-end thin client usage models.
- Image deployment solution is provided through a free download from Altiris®.
- Altiris Deployment Solution enables the ability to push images out to embedded devices and is only available on select models with Windows XP Embedded or Linux Embedded for Thin Client operating systems..
- USB image transfer utility available to flash NVRAM for desk-side deployments.
- Centralized image management helps simplify complexities around client deployments with plug and play installations.
- Integrated power supply and optional mounting options make the FX160 an easy choice when it comes to maximizing desktop real estate.

OPTIPLEX GETS GREEN

Dell is committed to being the greenest PC Company on the planet, and the OptiPlex FX160 delivers smart energy choices:

- Intel Atom processors benefit from a new 45nm low-power micro-architecture process that makes the processor energy-efficient and provides excellent single application productivity.
- Help reduce power consumption — and cost — with Dell's power supply, which is up to 87% efficient.

Designed to meet Energy Star 4.0 and EPEAT-Gold certifications with select configurations.

OptiPlex™ FX160 Technical Specifications	
Processor Type	Intel® Atom™ 230 (1.6GHz Single Core), Intel® Atom™ 330 (1.6GHz Dual Core) available in December 2008
Chipset	SiSM671 Northbridge and SiS968 Southbridge
Operating System	Microsoft® Windows XP Embedded, Novell® SUSE® Linux® Enterprise Thin Client 10 (SLETC), Microsoft Flex License (Streaming OS Diskless), Microsoft Windows Vista® Business, Microsoft Windows Vista Business Downgrade to XP Pro* (note, OS availability varies by model)
Video	Integrated graphics: Mirage 3 Graphics, 256MB Max Video Memory and support for DirectX 9.0[1]
Memory	Two DIMM slots; Non-ECC single channel 800MHz DDR2 SDRAM[1], supporting up to 4GB[2]; SiS chipset supports 667MHz DDR2 SDRAM[1]
NVRAM Storage	512MB - 2GB NVRAM Flash Memory for embedded operating system storage. 1GB minimum required for Windows XP Embedded and 512MB minimum for Novell SUSE Linux Enterprise Thin Client 10 (SLETC)
Networking	Integrated 10/100/1000 Ethernet (Broadcom LOM); Standard I/O Ports: 6 USB 2.0, 1 RJ-45, 2 PS2, 1 VGA, 1 DVI-D, 1 serial, Line-in (stereo/microphone), Line-out (headphone/speaker); Dell Wireless: 1397 802.11bg
Hard Drives	Optional 2.5" 80GB[3] HDD (7200 RPM)
Mounting Bracket Options	Dell Wall/Under-desk Mount, Dell Monitor Mount (available in December 2008)
Optional Secure Cable Kit	Kit includes bracket for securing cables to chassis with security slot (lock sold separately).
Chassis	**Tiny Desktop:** **Chassis Volume liters:** 2.4lL without stand and side cover, 3.3L with stand and side cover **Chassis Weight pounds/kilograms:** 4.0-4.6 lbs. / 1.81-2.09 kg **Chassis Dimensions: (HxWxD):** **Height inches/centimeters:** 9.02"/22.9 cm without stand, 10.6"/26.9 cm with stand **Width inches/centimeters:** 2.13"/5.4 cm with side cover, 1.85"/4.7 cm without side cover **Depth inches/centimeters:** 8.86"/22.5 cm without antenna, 9.92"/25.2 cm with antenna **Bays:** none **Expansion Slots:** none **Power Supply:** Integrated 50W 87% Efficient Power Supply, ENERGY STAR 4.0 compliant Wide-Ranging Active PFC
Peripherals	**Monitors** **CRT:** None **Flat Panel Analog:** Dell 17" E178FP Flat Panel; Dell 19" E198FP Flat Panel **Widescreen Flat Panel Analog:** Dell 17" E178WFP Widescreen Flat Panel; Dell 19" E198WFP Widescreen Flat Panel; Dell 19" E1909W Widescreen Flat Panel, Analog; Dell 20" E207WFP Widescreen Flat Panel; Dell 20" E2009W Widescreen Flat Panel, Analog; Dell 22" E228WFP Widescreen Flat Panel; Dell 22" E2209W Widescreen Flat Panel, Analog; Dell 24" E248WFP Widescreen Flat Panel, Dell 24" E2409W Widescreen Flat Panel, Analog **UltraSharp Digital Flat Panel, Adjustable Stand, VGA/DVI:** Dell 17" UltraSharp™ 1708FP Flat Panel; Dell 19" UltraSharp™ 1908FP Flat Panel **UltraSharp Digital Widescreen Flat Panel, Adjustable Stand, VGA/DVI**: Dell 17" UltraSharp™ 1708FPW Widescreen; Dell 19" UltraSharp™ 1908FPW Widescreen; Dell 20" UltraSharp™ 2009FPW Widescreen; Dell 22" UltraSharp™ 2209FPW Widescreen; Dell 24" UltraSharp™ 2408FPW Widescreen; Dell 27" UltraSharp™ 2709FPW Widescreen **DirectDrive (DisplayPort only):** N/A **All-in-One options:** N/A (Optional mounting kit includes mounting bracket for install of OptiPlex FX160 on the back of select Dell flat panels, assembly required)
	Keyboard: Dell Entry keyboard; Dell USB QuietKey keyboard; Dell Multimedia Pro keyboard; Smart Card Reader USB keyboard
	Mouse: Dell Optical USB Mouse with scroll, Dell Laser Mouse
	Speakers: Dell AX210 (USB powered) Speakers, AX510 and Dell A510/AX510PA Flat Panel Sound Bar
Storage Devices	Removeable Media Storage Devices: Optional external DVD-ROM drive
Security	Chassis loop lock support (cable locks sold separately); Cable Security Kit is optional and requires a Kensington type lock to secure your peripherals, Setup/BIOS Password, I/O Interface Security, optional Smart Card reader keyboard
Systems Management Options	**Software Management Options:** Altiris® Deployment Solution (select models); Dell Client Manager on select models with hard drive (not available with embedded OS)
Environmental, Ergonomic, and Regulatory Standards	**Standards:** CECP, ENERGY STAR 4.0 and possibly 5.0 during its life, WEEE, EPEAT GOLD, Japan Energy Law, CES, Japan Green PC, FEMP, South Korea Eco-label, EU RoHS, China RoHS **Other:** Dell Energy Smart settings, Carbon Off-set programs (Plant-A-Tree, Plant-A-Forest), System Recycle (Asset Recovery Service)
Warranty and Services	Limited Hardware Warranty[4]; 3 Year ProSupport for IT is standard for ODDS models. 3 year Next Business Day On Site Service after Remote Diagnosis[5] is standard on the FX160 with embedded operating systems; 4 year and 5 year (Optional)

SIMPLIFY DESKTOP COMPUTING AT DELL.COM/FCS

1. Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.
2. 4GB Memory: Up to 1GB may not be available with 32-bit operating systems due to system resource requirements.
3. Hard Drive: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
4. Warranty: For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see DELL.COM/warranty.
5. Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.

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